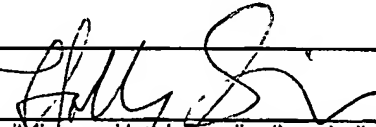


Substitute Form PTO-1449 (Modified)	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 09531-016002	Application No. 10/031,005
<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.98(b))		Applicant Gary L. Nelsestuen	
		Filing Date October 29, 2001	Group Art Unit 1656

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
HS	AA	6,806,063	10/19/2004	Pedersen et al.	—	—	
	AB						

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
HS	AC	WO 01/58935	8/16/2001	WIPO				
	AD							

Other Documents (Include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
HS	AE	GenBank® Accession No. M13132 (2/13/1996)
HS	AF	"Docking of Tissue Factor and Factor VIIa Initiates Blood Coagulation," at <a href="http://www.sdsc.edu/IOTW/week46.96/">http://www.sdsc.edu/IOTW/week46.96/</a> (1996)
HS	AG	Dickinson and Ruf, "Active Site Modification of Factor VIIa Affects Interactions of the Protease Domain with Tissue Factor," J. Biol. Chem., 1997, 272(32):19875-19879
HS	AH	Jurlander et al., "Recombinant Activated Factor VII (rFVIIa): Characterization, Manufacturing, and Clinical Development," Semin. Thromb. Hemos., 2001, 27(4):373-383
HS	AI	Leff, "Genetically Stripped-Down Factor VIII Corrects Bleeding Disorder in Hemophilic Mice," BioWorld Today, 1997, 8(209):1,6
HS	AJ	Martinez et al., "Undercarboxylation of Vitamin K-Dependent Proteins: Occasionally Severe, Possibly Universal," Proceedings of the 49th ASMS Conference on Mass Spectrometry and Allied Topics, May 27-31, 2001, Chicago, Illinois, 2 pgs.
HS	AK	Nelsestuen et al., "Elevated Function of Blood Clotting Factor VIIa Mutants That Have Enhanced Affinity for Membranes," J. Biol. Chem., 2001, 276(43):39825-39831
HS	AL	Ruf et al., "Importance of Factor VIIa Gla-Domain Residue Arg-36 for Recognition of the Macromolecular Substrate Factor X Gla-Domain," Biochemistry, 1999, 38:1957-1966
HS	AM	Sakai et al., "The $\gamma$ -Carboxyglutamic Acid Domain of Human Factor VIIa is Essential for Its Interaction with Cell Surface Tissue Factor," J. Biol. Chem., 1990, 265(4):1890-1894
HS	AN	Thim et al., "Amino Acid Sequence and Posttranslational Modification of Human Factor VIIa from Plasma and Transfected Baby Hamster Kidney Cells," Biochemistry, 1988, 27:7785-7793
	AO	

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(37 CFR 1.98(b))

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Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
HS	AA	4,784,950	11/15/1988	Hagen et al.	—	—	
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	AC	5,041,376	8/20/1991	Gething et al.	—	—	
	AD	5,180,583	1/19/1993	Hedner	—	—	
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	AR	6,903,069	6/7/2005	Pingel et al.	—	—	
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HS	AW	2003/0211460	12/30/2002	Nelsestuen	—	—	

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner	Desig.	Document	Publication	Country or	Class	Subclass	Translation
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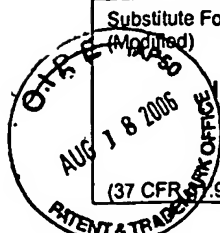
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	AZ	WO 94/27631	12/8/1994	WIPO				
	AAA	WO 96/00577	1/11/1996	WIPO				
	ABB	WO 98/32466	7/30/1998	WIPO				
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	ADD	WO 99/03498	1/28/1999	WIPO				
	AEE	WO 99/03887	1/28/1999	WIPO				
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	AII	WO 00/28065	5/18/2000	WIPO				
	AJJ	WO 00/54787	9/21/2000	WIPO				
	AKK	WO 00/66753	11/9/2000	WIPO				
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	AMM	WO 02/02764	1/10/2002	WIPO				
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	AQQ	WO 02/29025	4/11/2002	WIPO				
	ARR	WO 02/38162	5/16/2002	WIPO				
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	AXX	WO 2004/083361	9/30/2004	WIPO				
	AYY	EP 0 370 205	5/30/1990	EPO				
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Examiner Signature

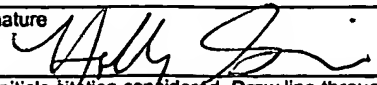
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	Applicant Gary L. Nelsestuen		Group Art Unit 1656
(37 CFR 1.98(b))		Filing Date October 29, 2001	

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
HS	AAAA	Bharadwaj et al., "Factor VII central. A novel mutation in the catalytic domain that reduces tissue factor binding, impairs activation by factor Xa, and abolishes amidolytic and coagulant activity," J. Biol. Chem. 1996, 271:30685-30691
	ABBB	Bjoern et al., "Human plasma and recombinant factor VII. Characterization of O-glycosylations at serine residues 52 and 60 and effects of site-directed mutagenesis of serine 52 to alanine," J. Biol. Chem. 1991, 266(17):11051-11057
	ACCC	Chang et al., "Engineered recombinant factor VII Q217 variants with altered inhibitor specificities," Biochemistry 1999, 38:10940-10948
	ADDD	Chang et al., "Replacing the first epidermal growth factor-like domain of factor IX with that of factor VII enhances activity in vitro and in canine hemophilia B," J. Clin. Invest. 1997, 100(4), 886-892
	AEEE	Cheung et al., "Localization of a metal-dependent epitope to the amino terminal residues 33-40 of human factor IX," Thrombosis Res. 1995, 80(5): 419-427
	AFFF	EMBL Accession No. AF465270 (2/2/2003)
	AGGG	UNIPROT Accession No. P22457 (8/1/1991)
	AHHH	Dickinson et al., "Influence of cofactor binding and active site occupancy on the conformation of the macromolecular substrate exosite of factor VIIa," J. Mol. Biol. 1998, 277:959-971
	AIII	Dickinson et al., "Identification of surface residues mediating tissue factor binding and catalytic function of the serine protease factor VIIa," Proc. Natl. Acad. Sci. 1996, 93:14379-14384
	AJJJ	Hedner et al., "NovoSeven as a universal haemostatic agent," Blood Coagulation & Fibrinolysis 2000;11:107-111
	AKKK	Higashi et al., "Molecular mechanism of tissue factor-mediated acceleration of factor VIIa activity," J. Biol. Chem. 1996, 271(43):26569-26574
	ALLL	Huang et al., "Substrate Recognition by Tissue Factor-Factor VIIa. Evidence for interaction of residues Lys165 and Lys166 of tissue factor with the 4-carboxyglutamate-rich domain of factor X" J. Biol. Chem. 1996, 271(36):21752-21757
	AMMM	Iino et al., "Functional consequences of mutations in Ser-52 and Ser-60 in human blood coagulation factor VII," Archives of Biochemistry and Biophysics 1998, 352(2):182-192
	ANNN	Iakhiaev et al., "The Role of Catalytic Cleft & Exosite Residues of Factor VIIa for Complex Formation with Tissue Factor Pathway Inhibitor" Thrombosis & Haemostasis 2001, 85:458-463
	AOOO	Jin et al., "Factor VIIa's first epidermal growth factor-like domain's role in catalytic activity," Biochemistry 1999, 38:1185-1192
	APPP	Jin et al., "Four loops of the catalytic domain of factor viia mediate the effect of the first EGF-like domain substitution on factor viia catalytic activity," J. Mol. Biol. 2001, 307:1503-1517
	AQQQ	Kelly et al., "Ca <sup>2+</sup> binding to the first epidermal growth factor module of coagulation factor VIIa is important for cofactor interaction and proteolytic function," J. Biol. Chem. 1997, 272(28):17467-17472
HS	ARRR	Kemball-Cook et al., "Coagulation Factor VII Gln <sup>109</sup> Arg. Amino acid substitution at the epidermal growth factor 2-protease domain interface results in severely reduced tissue factor binding and procoagulant function," J. Biol. Chem. 1998, 273(14):8516-8521

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<b>Information Disclosure Statement by Applicant</b> (Use several sheets if necessary) (37 CFR §1.88(b))		Applicant <b>Gary L. Nelsestuen</b>	
		Filing Date October 29, 2001	Group Art Unit 1656

**Other Documents (include Author, Title, Date, and Place of Publication)**

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<i>KS</i>	ASSS	Leonard et al., "Activation and Active Site Occupation Alter Conformation in the Region of the First Epidermal Growth Factor-like Domain of Human Factor VII," J. Biol. Chem. 2000, 275(45):34894-34900
	ATTT	Mayer, "Ultra-early hemostatic therapy for intracerebral hemorrhage," Stroke 2003, 34:224-229
	AUUU	Neuenschwander et al., "Alteration of the substrate and inhibitor specificities of blood coagulation," Biochemistry 1995, 34:8701-8707
	AVVV	Persson et al., "Ca <sup>2+</sup> binding to the first epidermal growth factor-like domain of factor VIIa increases amidolytic activity and tissue factor affinity," J. Biol. Chem. 1997, 272(32):19919-19924
	AWWW	Persson, "Characterization of the interaction between the light chain of factor VIIa and tissue factor," FEBS Letters 1997, 413:359-363
	AXXX	Petersen et al., "Binding of Zn <sup>2+</sup> to a Ca <sup>2+</sup> loop allosterically attenuates the activity of factor VIIa and reduces its affinity for tissue factor," Protein Science 2000, 9:859-866
	AYYY	Petrovan et al., "Role of residue Phe <sup>225</sup> in the cofactor-mediated, allosteric regulation of the serine protease coagulation factor VIIa," Biochemistry 2000, 39:14457-14463
	AZZZ	Petrovan et al., "Residue Met <sup>136</sup> contributes to the labile enzyme conformation of coagulation factor VIIa," J. Biol. Chem. 2001, 276(9):6616-6620
	AAAAA	Shobe et al., "Regulation of the catalytic function of coagulation factor VIIa by a conformational linkage of surface residue Glu 154 to the active site," Biochemistry 1999, 38:2745-2751
	ABBBB	Shobe et al., "Macromolecular substrate affinity for the tissue factor-factor VIIa complex is independent of scissile bond docking," J. Biol. Chem. 1999, 274(34):24171-24175
	ACCCC	Sridhara et al., "Activation of a recombinant human factor VII structural analogue alters its affinity of binding to tissue factor," Amer. J. Hematology 1996, 53:66-71
<i>KS</i>	ADDDD	Zhang et al., "Structure of extracellular tissue factor complexed with factor VIIa inhibited with a BPTI mutant," J. Mol. Biol. 1999, 285(5):2089-2104

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